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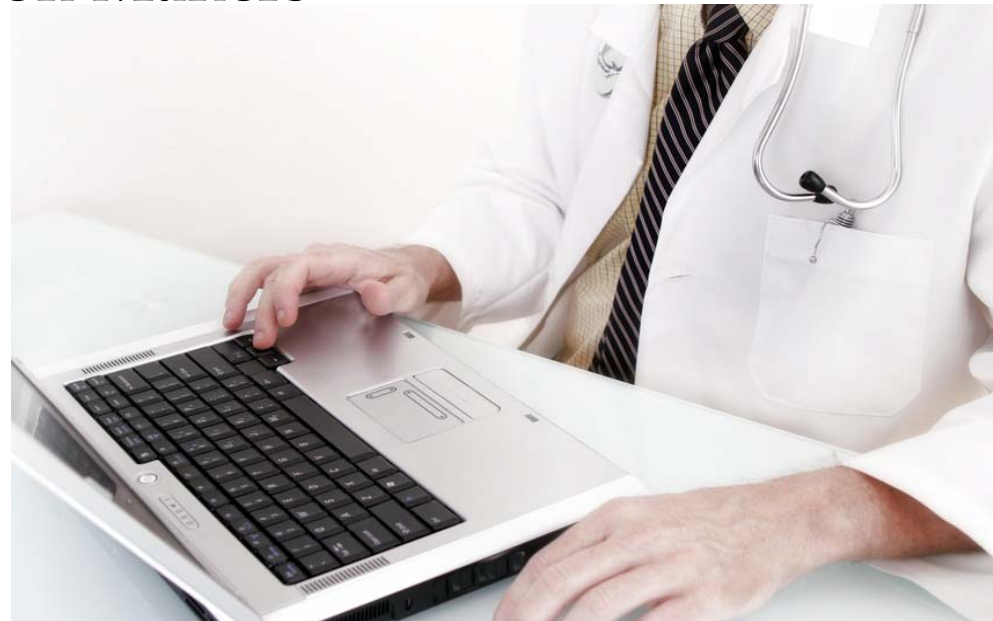
Rochester Institute of Technology American University in Kosovo



“Primary Health Care Statistics For Decision Makers”

Candidate
MENTOR SADIKU

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MEANING OF ABBREVIATION AND TERMS

- **HIS**-Health Information System is mechanism for collecting, processing, analyzing, and acceptance of necessary information for organization of health protection and health researches
- **HS**-Health statistics are numbers about some aspect of health.
- **EHR**-Computerized patient record
- **HIS 001**-Paper Information sheet form for Primary health Care
- **ECDL**-European Computer Driving License

KOSOVA HEALTH SYSTEM

Primary Health Care

Secondary Health Care

Tertiary Health Care



KOSOVA MUNICIPALITIES



PHC PROVIDERS

- Main Family Medicine Centre
- (38)
- Family Medicine Centers (173)
- Family Medicine Puncta Ambulantes (162)

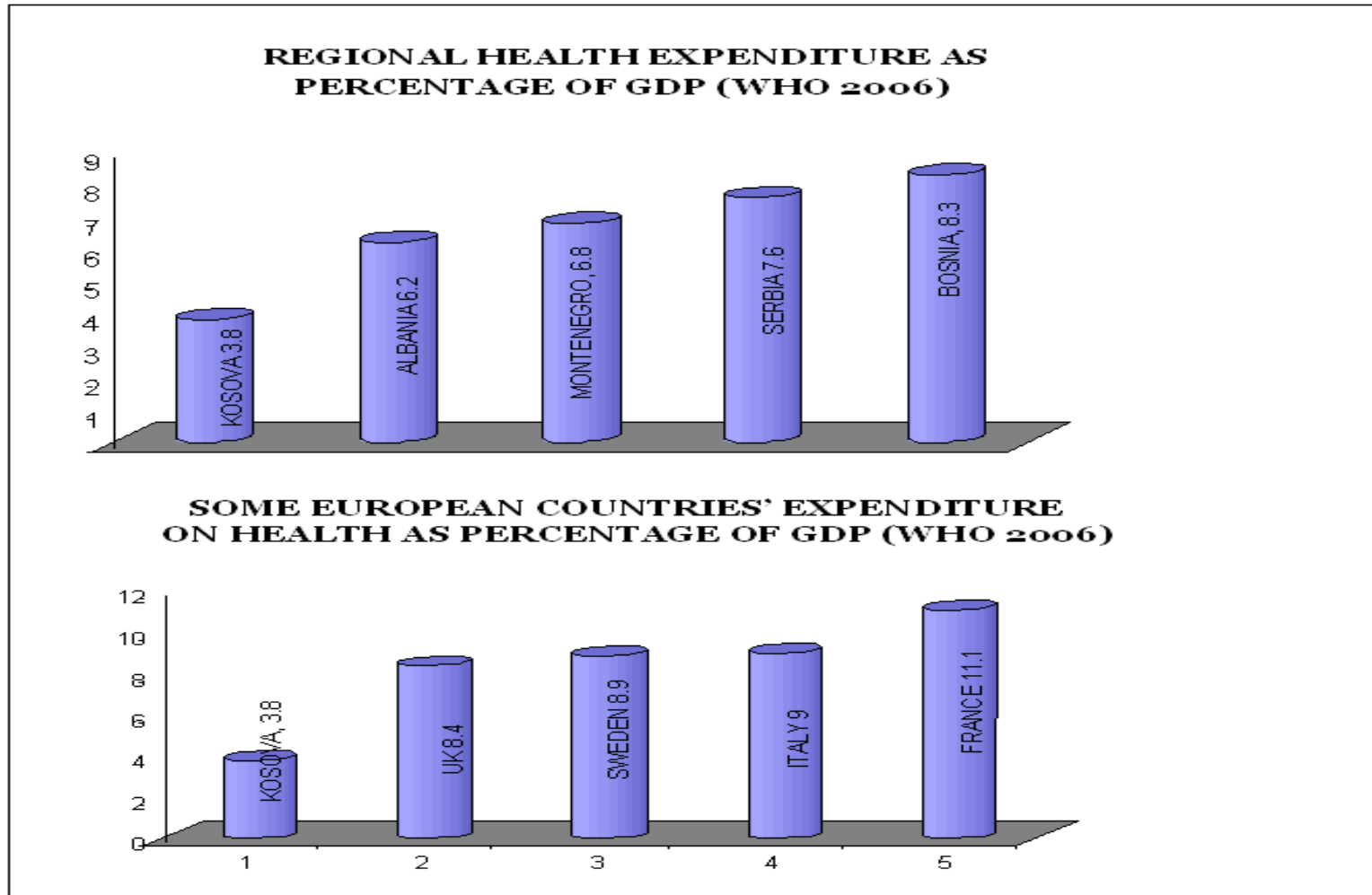




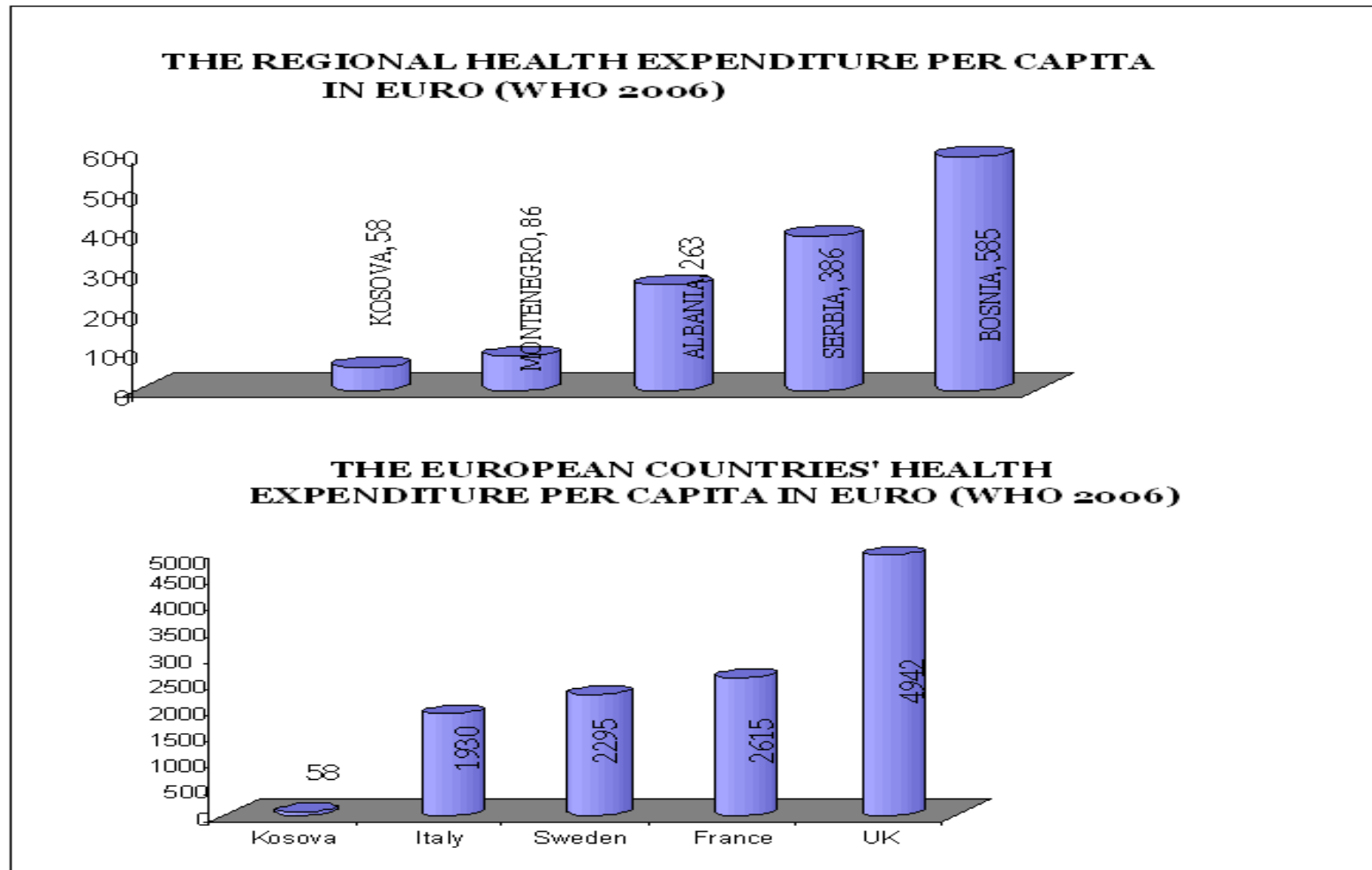
PHC DATA

PHC STAFF	MEDICAL STAFF	OTHER STAFF	BUDGET 2010	ESTIMATED POPULATION	EURO PER CAPITA
6,309	79%	21%	24.6million	2.5.million	8.9

HEALTH EXPENDITURE AS GDP REGION AND EUROPE



HEALTH EXPENDITURE PER CAPITA REGION AND EUROPE





OUTPUTS OF HEALTH STATISTICS

The output of the HSS is timely, valid, and relevant data for all participants in the health system.

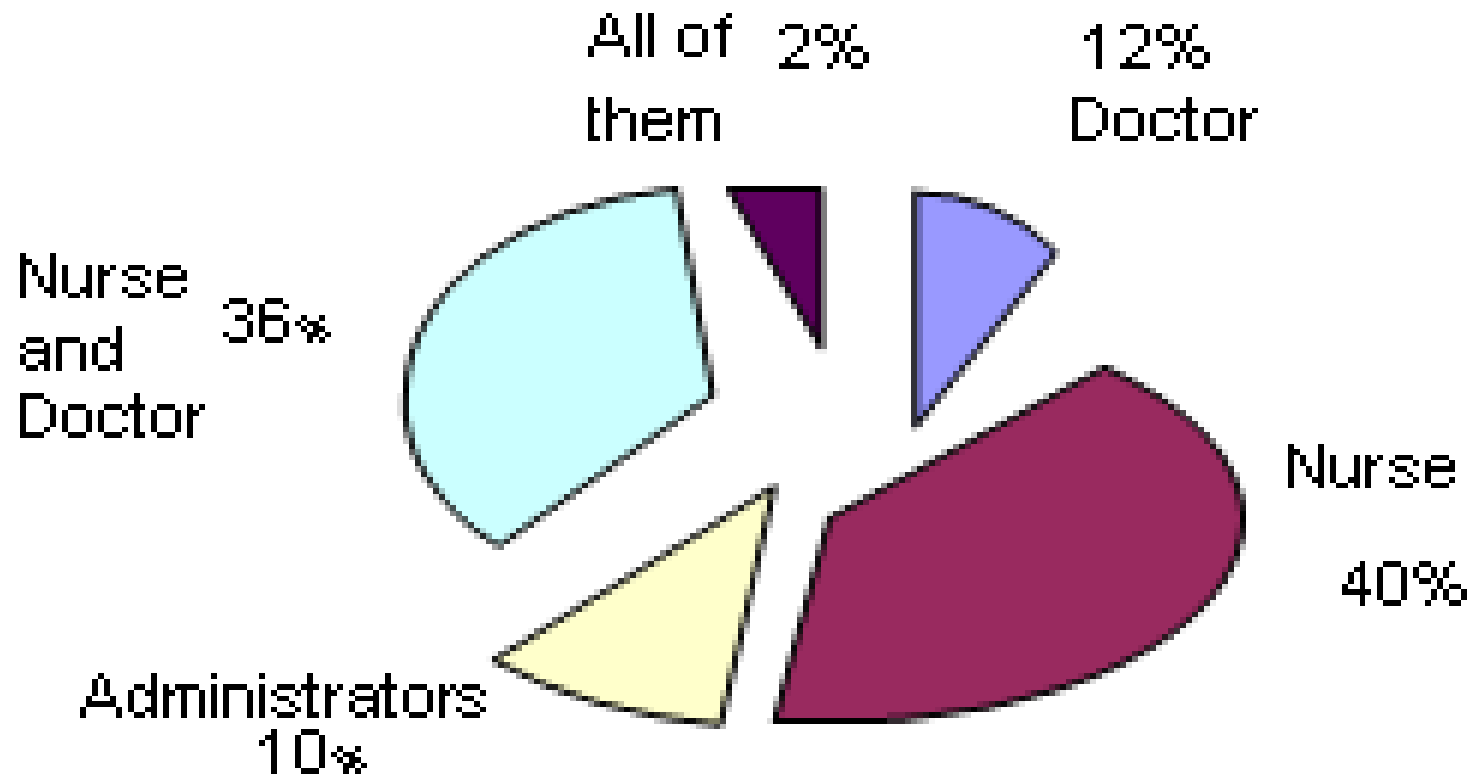
- Citizens will have information about diseases, and options for treatment
- Health professionals should be able to seek guidance, update their own knowledge and have easy access to patient records
- Administrators and politicians will be provided with information about the health needs of the population.



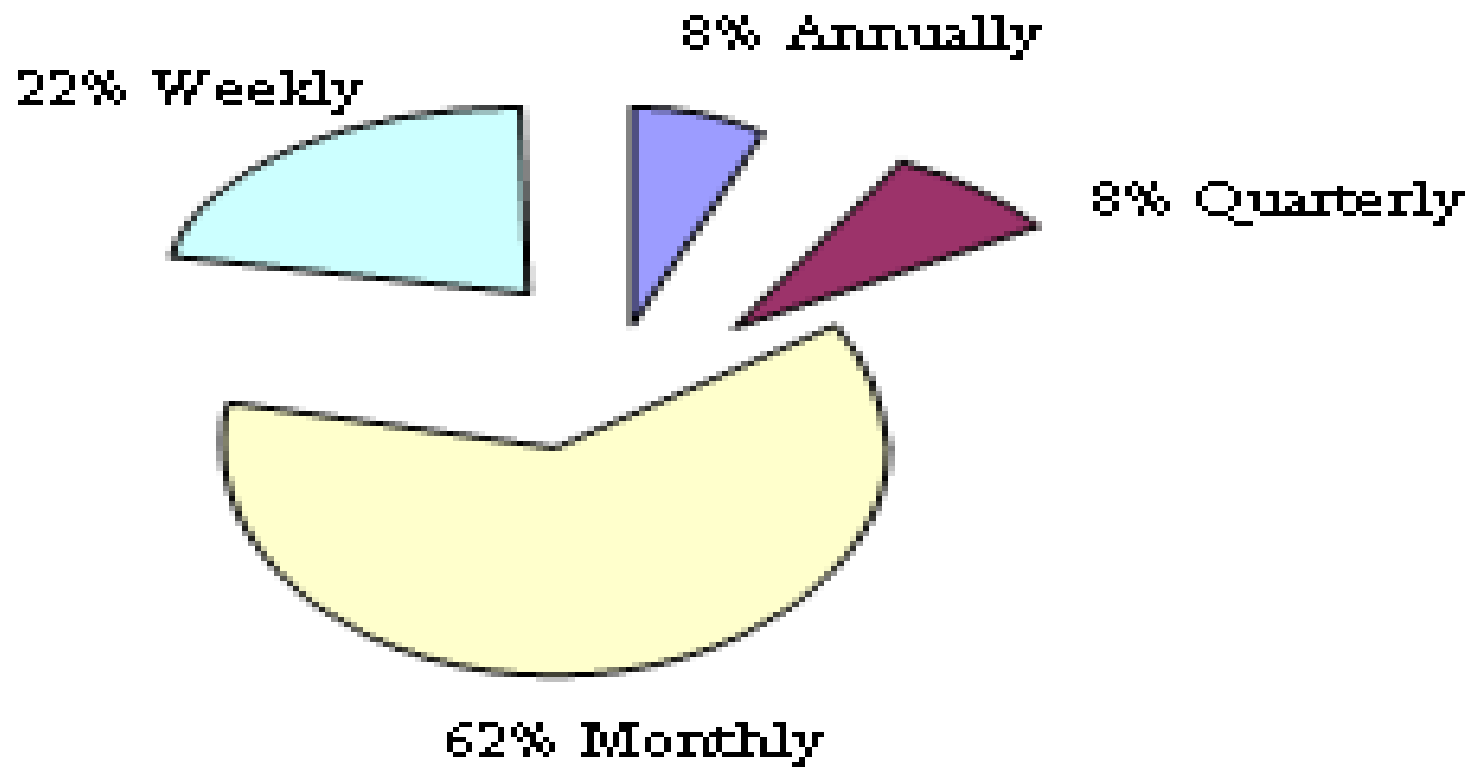
OBSTACLES IN EXISTING HIS

- Health sector is not the main priority of the government
- Outdated legal framework
- Insufficient budget for HIS
- Lack of population census and patient registration
- Incomplete and fragmented reporting from the public health sector
- Lack reporting from private sector
- Obstacles in referral from the primary to the secondary and tertiary levels and vice versa
- Lack of-integrated system across the ethnic communities
- Lack of data for direct funding for services, medicines and medical products
- Lack of resources to properly maintain the system

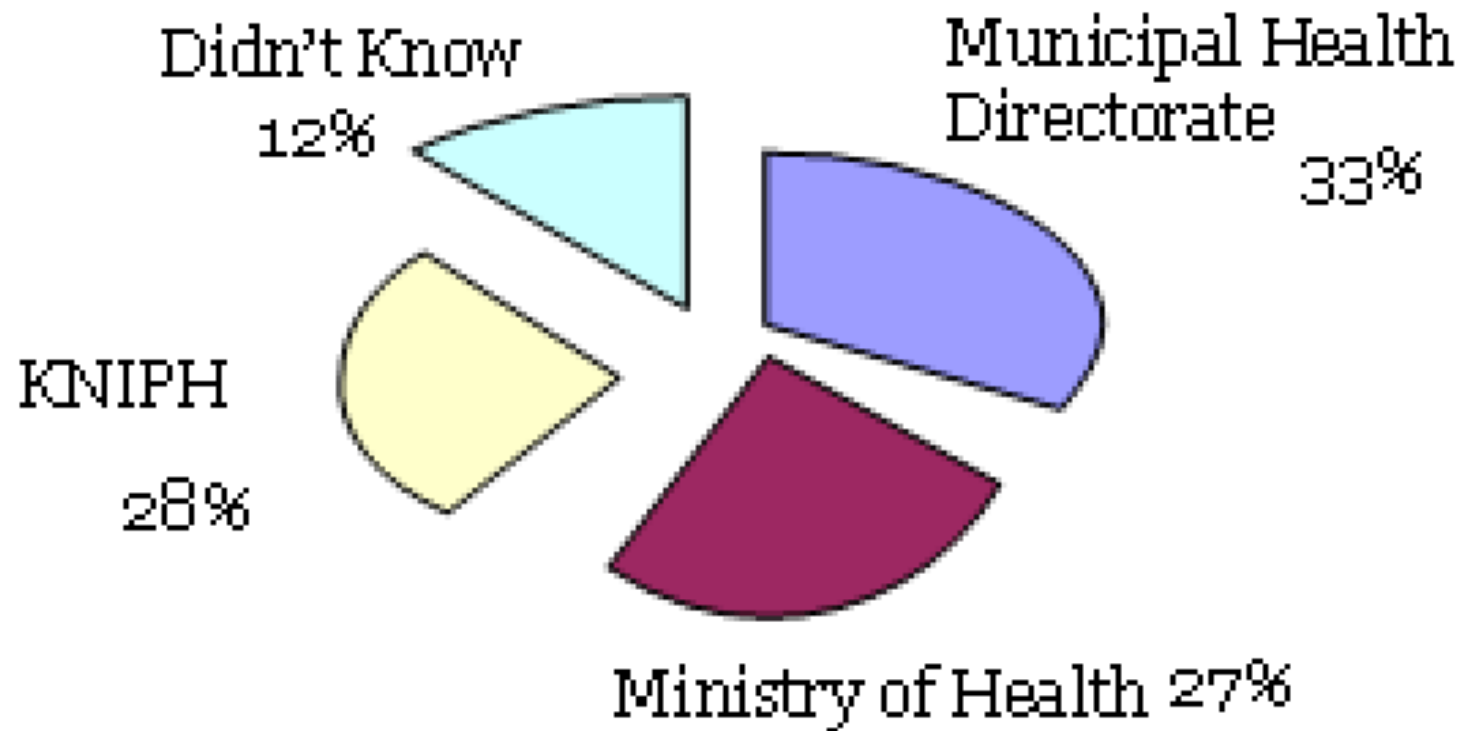
WHO HAS RESPONSIBILITY TO COMPLETE HIS 001 FORM IN YOUR MFMC?



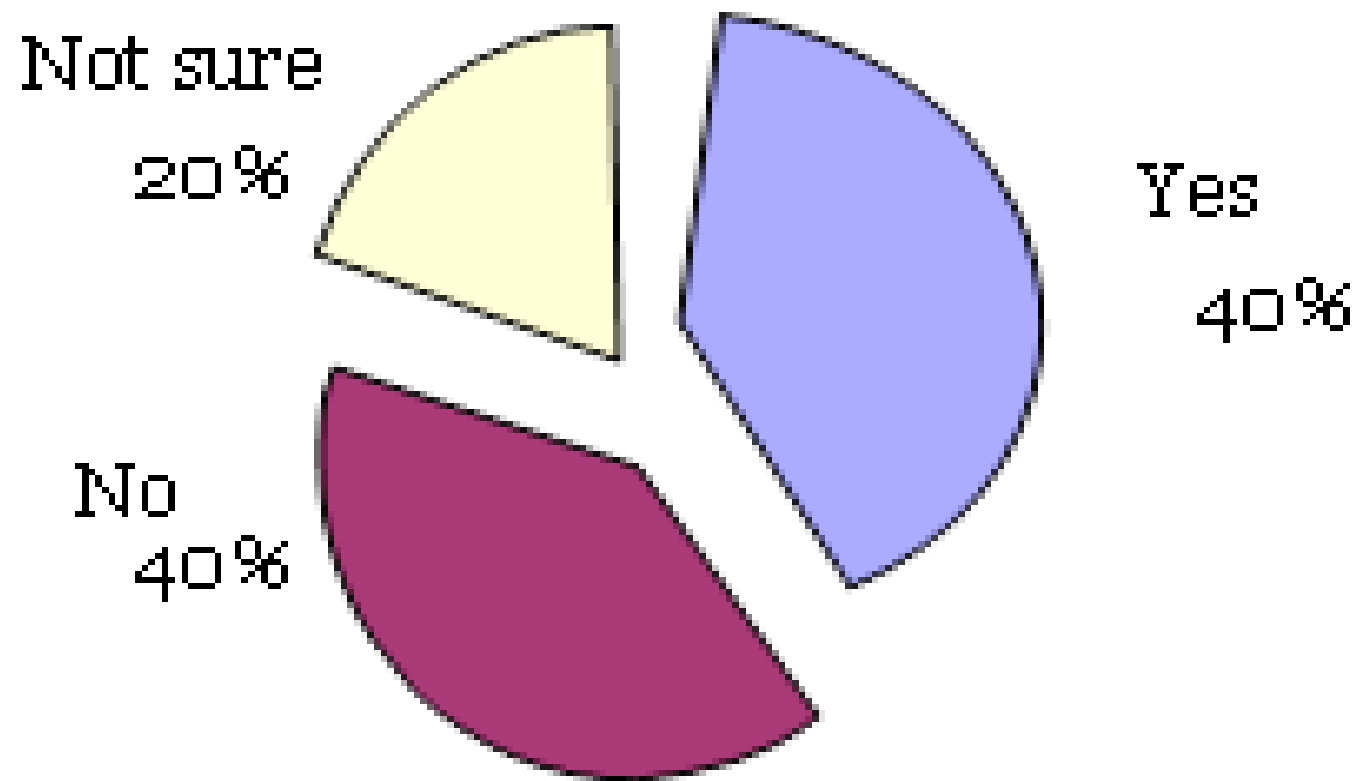
HOW FREQUENTLY DOES YOUR INSTITUTION FORWARD REPORTS TO KNIPH?



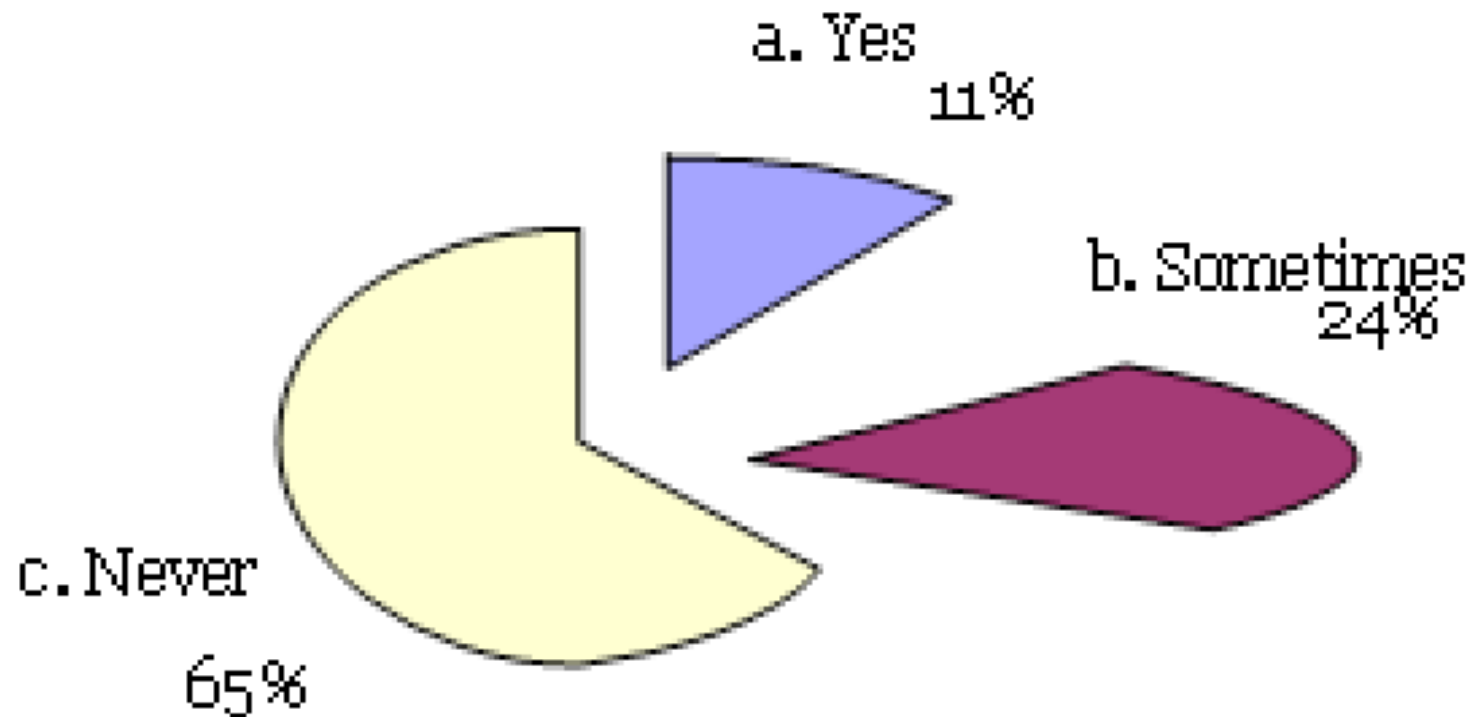
IN WHICH INSTITUTIONS DOES HIS REPORT GO?



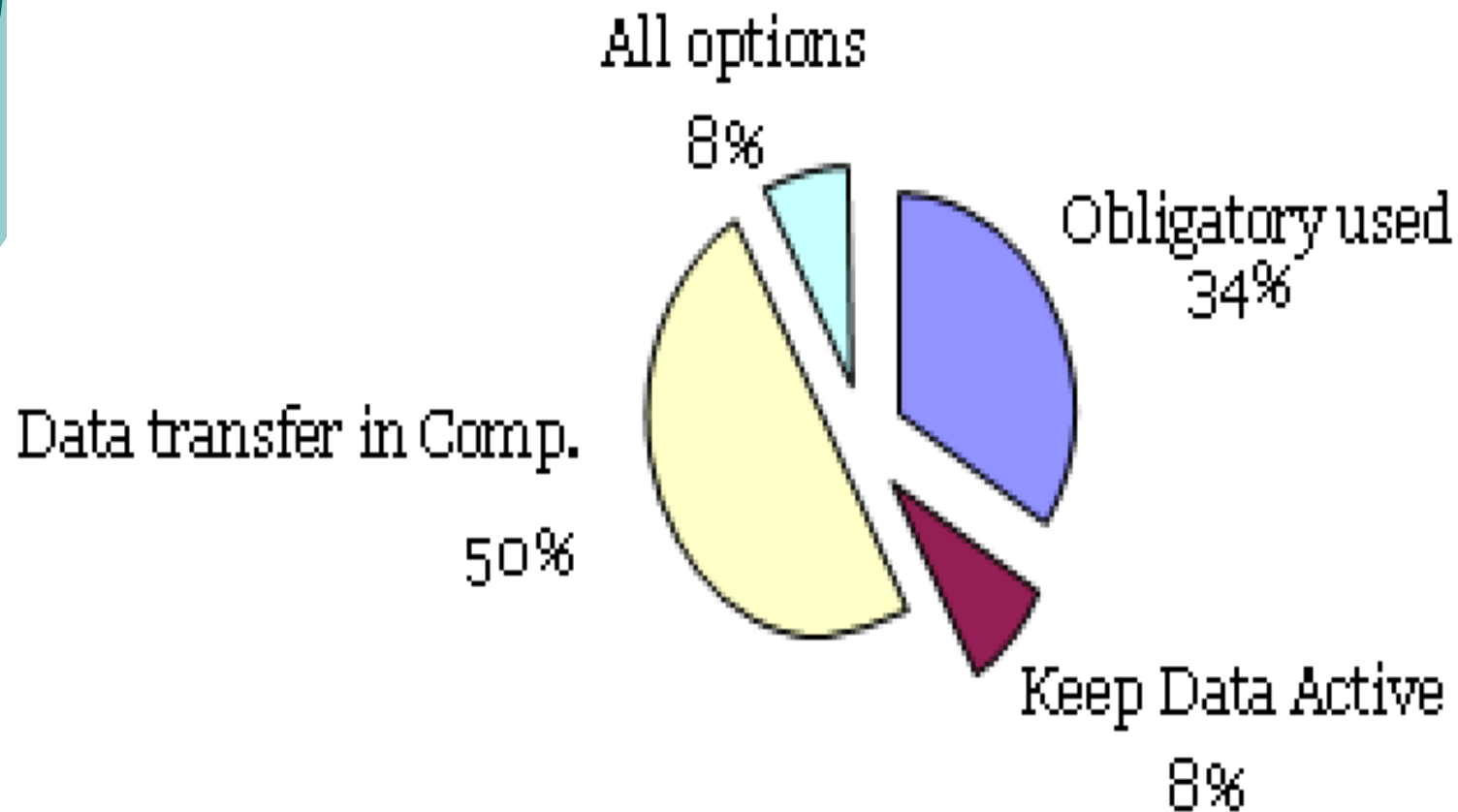
DO YOU HAVE GUIDELINES TO FULFILL HIS 001 FORM?



DO YOU GET FEEDBACK INFORMATION FROM KNIPH?



HOW CAN BE IMPROVED THE CURRENT MEDICAL RECORD ?





PROJECT FINDINGS IN KNIPH

- Change of HIS policy by the Ministry of Health
- Increase the budget for HIS maintenance
- Prepare Law on HIS
- Provide specific training for data analysis, and data reporting

The most important standards and indicators used within the HIS based on usefulness for decision-makers are:

- Population
- Mortality
- Morbidity



EUROPEAN E-HEALTH

- European doctors increasingly store and send patients data such as lab reports electronically.
- About 70% of European doctors use the Internet and 66% use computers for consultations.
- Denmark has the highest broadband penetration among General Practitioners (91%), Romania the lowest (about 5%).
- The majority of European doctors agree that electronic HIS improves the quality of healthcare services



MAJOR RECOMMENDATIONS 1

- **Change Legal framework for HIS**
 - Legal framework for HIS lean on:
Administrative Instruction 2006/18 Database of HIS and
Administrative instruction 2009/10 Health Documents
 - The Law on Citizens' Responsibilities in Health Care : **the professional confidentiality and health documentation**
 - The Law for Archival Data and Archives, Law on Emergency Health Care, Law on Access to Official Documents, and Law on Recording Book : **data collection, storage, and access.**
- **Recommendation -Law on HIS**



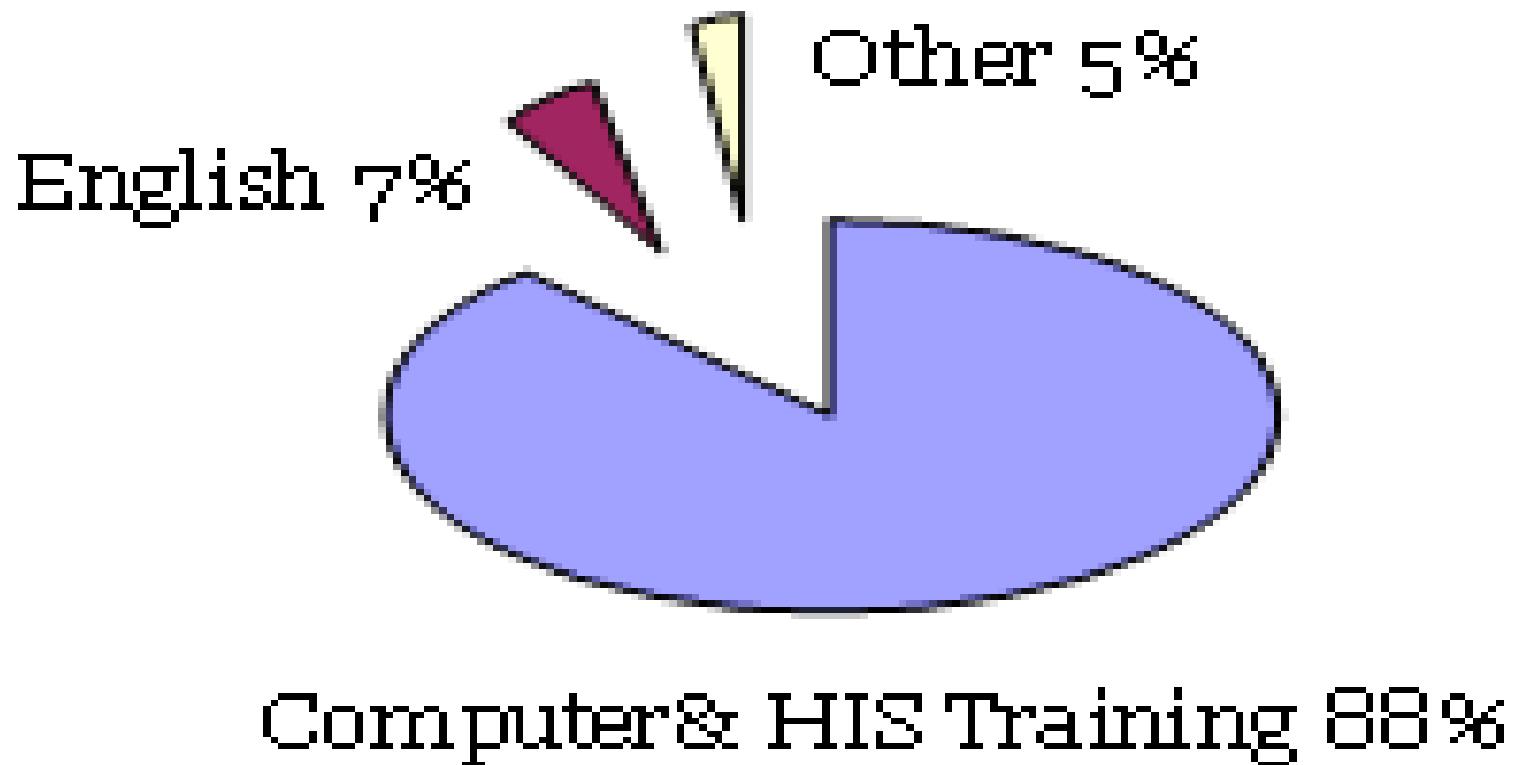
MAJOR RECOMMENDATION 2

Provide need assessment training for HIS with health workers

Project findings:

- PHC-computer training, and specific HIS training
- KNIPH-specific training on maintenance, programming, and software package utilization

WHAT TRAININGS ARE NECESSARY FOR HEALTH STAFF IN MFMC ?





TRAINING SCENARIO

ECDL Health

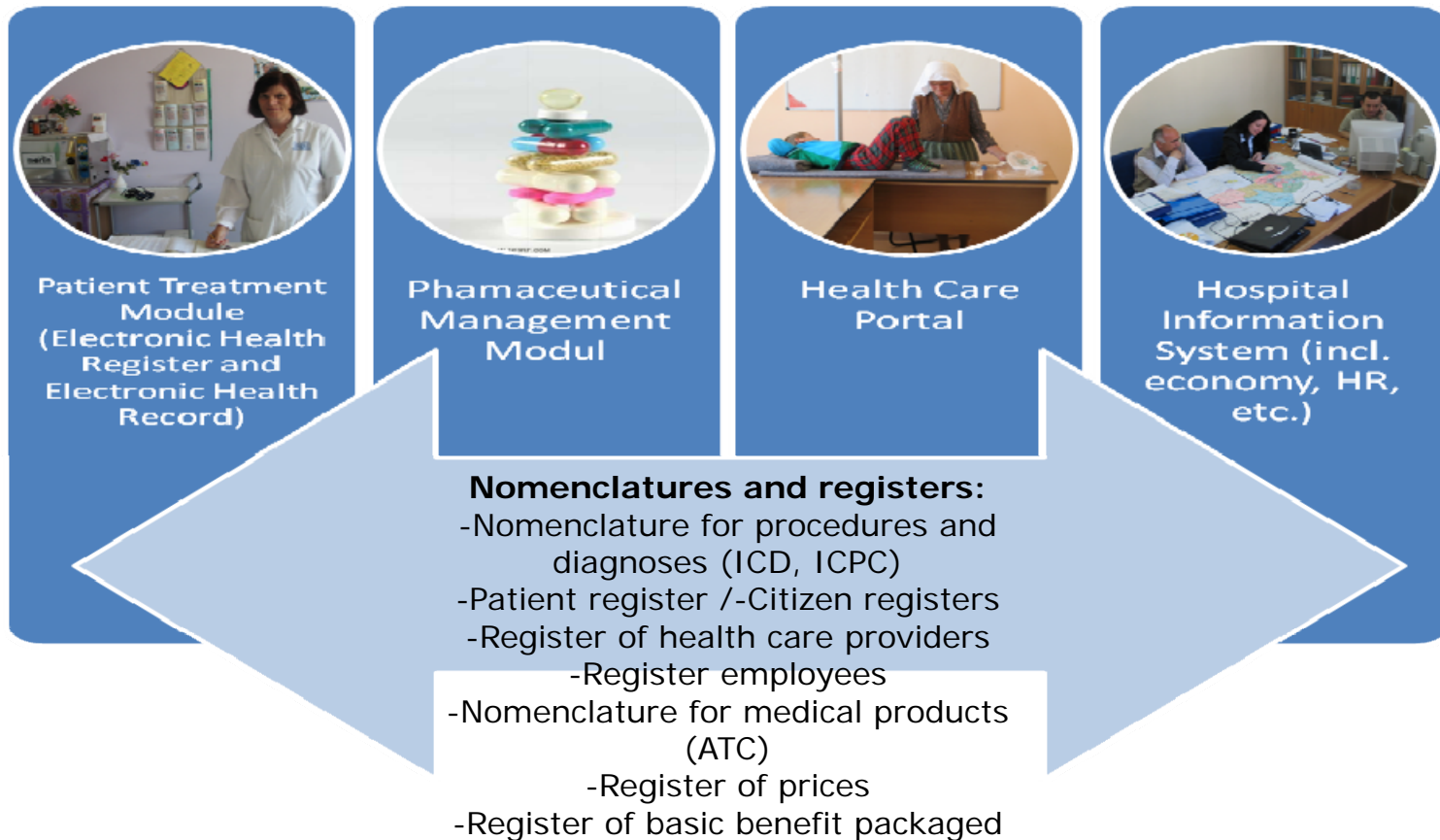
certifies that a candidate :

Understands the key features of a Health Information System (HIS)

- Can use a HIS safely and efficiently
- Understands the ethics, rules and regulations related to HIS
- Understands confidentiality, security and access control when using a HIS
- Understands and can interpret electronically recorded data
- Budget 2.2 million euro

MAJOR RECOMMENDATION 3

○ Establish electronic HIS for PHC





SECONDARY RECOMMENDATIONS

- Allocate a special grant from government for the municipal level to improve HIS
- Establish a binding system of reporting between MFMC and KNIPH
- Complete of the IT-infrastructure required for the implementation of the HIS in Kosova



SECONDARY RECOMMENDATIONS

- The HSS should continue until the new integrated HIS is running on a national scale
- Establish and further develop electronic processes and methods for capturing, storing, and retrieving data
- Integrate the private sector in HSS
- Further develop the method of evidence-based decision-making at all levels of health care system



SCENARIO 1.

- Business as usual (no change)
- 456,792. EURO

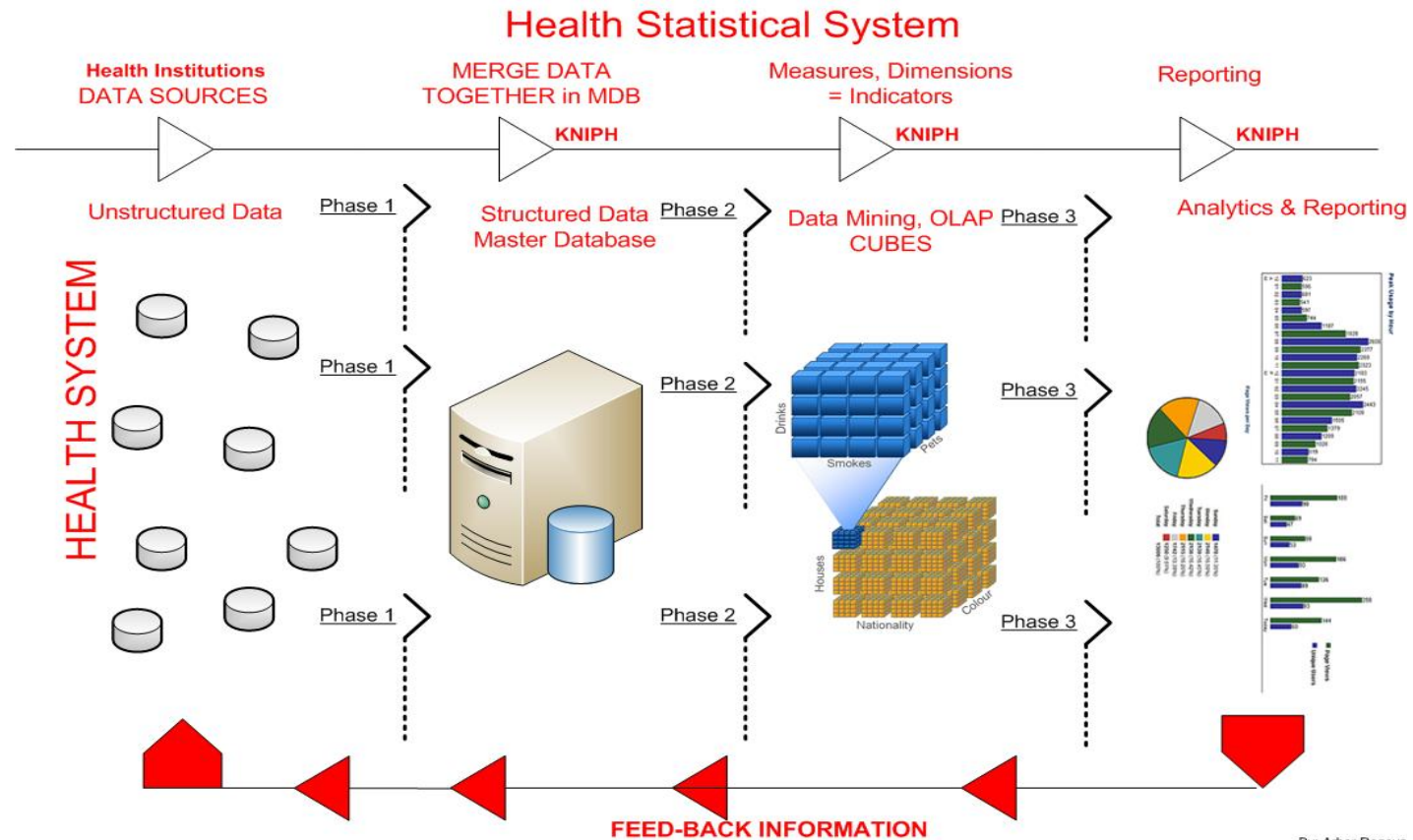


SCENARIO 2.

To build on existing system of manual data gathering

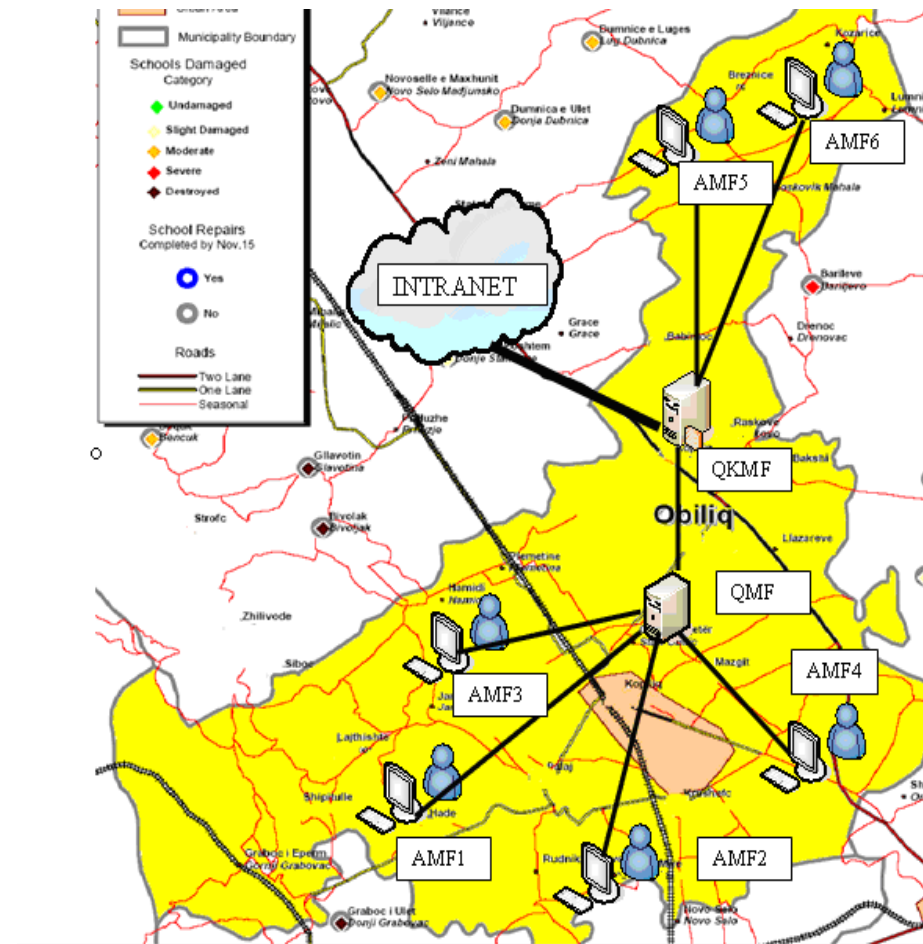
- Changing and adopting the current legal framework
 - Providing training for health workers
 - Making reporting system operational.
 - Increase reporting accountability
 - Increase the budget for HIS
-
- **Total 3.430,550**

HEALTH STATISTICAL SYSTEM



By: Arber Rogova

OBILIQ MUNICIPALITY





SCENARIO 3

Building Electronic Health Information System

- Establish electronic HIS Network
- Provide trainings for PHC and KNIPH
- Establish Electronic Health Record in PHC(EHR)
- Prepare Law on HIS
- Increase the Budget for maintenance of system
- Develop new modules in HIS
- Create patient register
- Register of health care providers
- Nomenclatures for medical products
- Register of prices
- Register of basic benefit package

- **Total 5.250,000**